

## LAMP PHOTOMETRIC REPORT

MODEL:

POWER: 298W

VOLTAGE: 220V

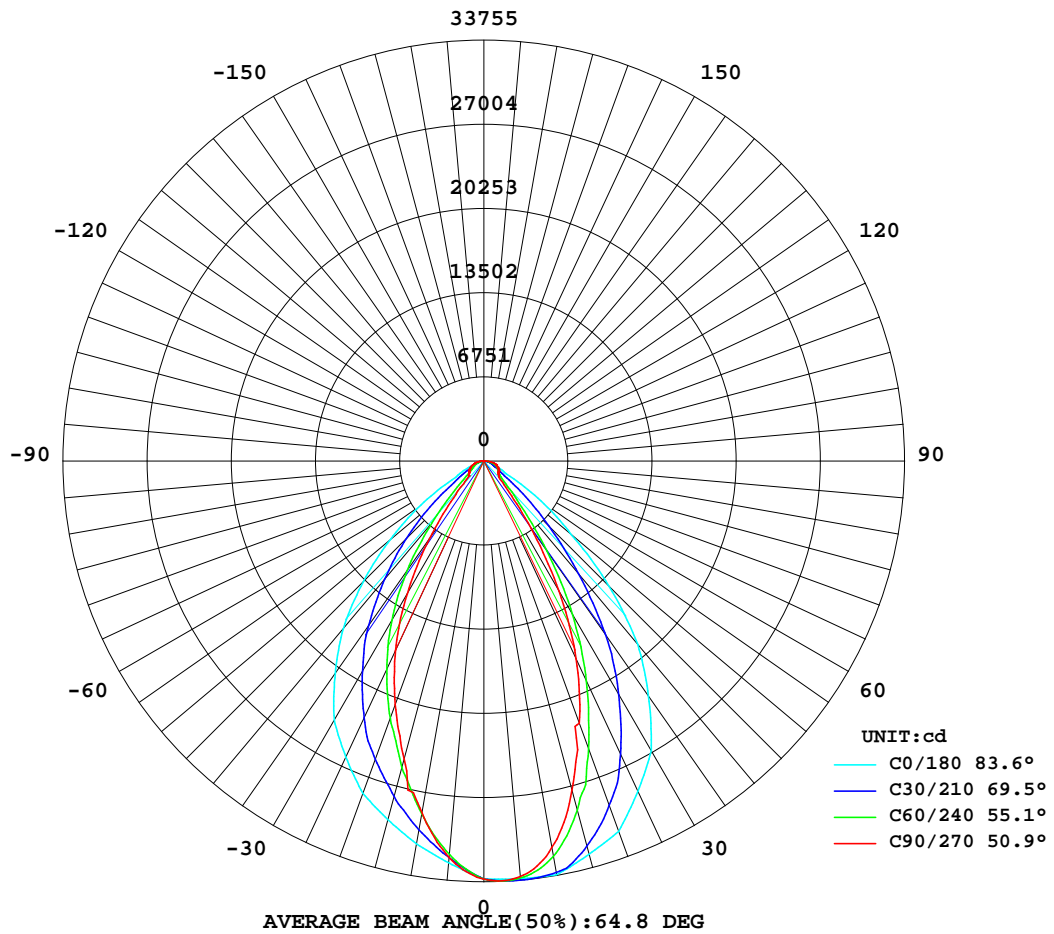
WORKING VOLTAGE: 219.3V

MANUFACTURER: LI TIAN

TOTAL FLUX: 38925 lm

Efficiency: 131.77 lm/W

Test: U: 219.3V I: 1.400A P: 295.3W PF: 0.961



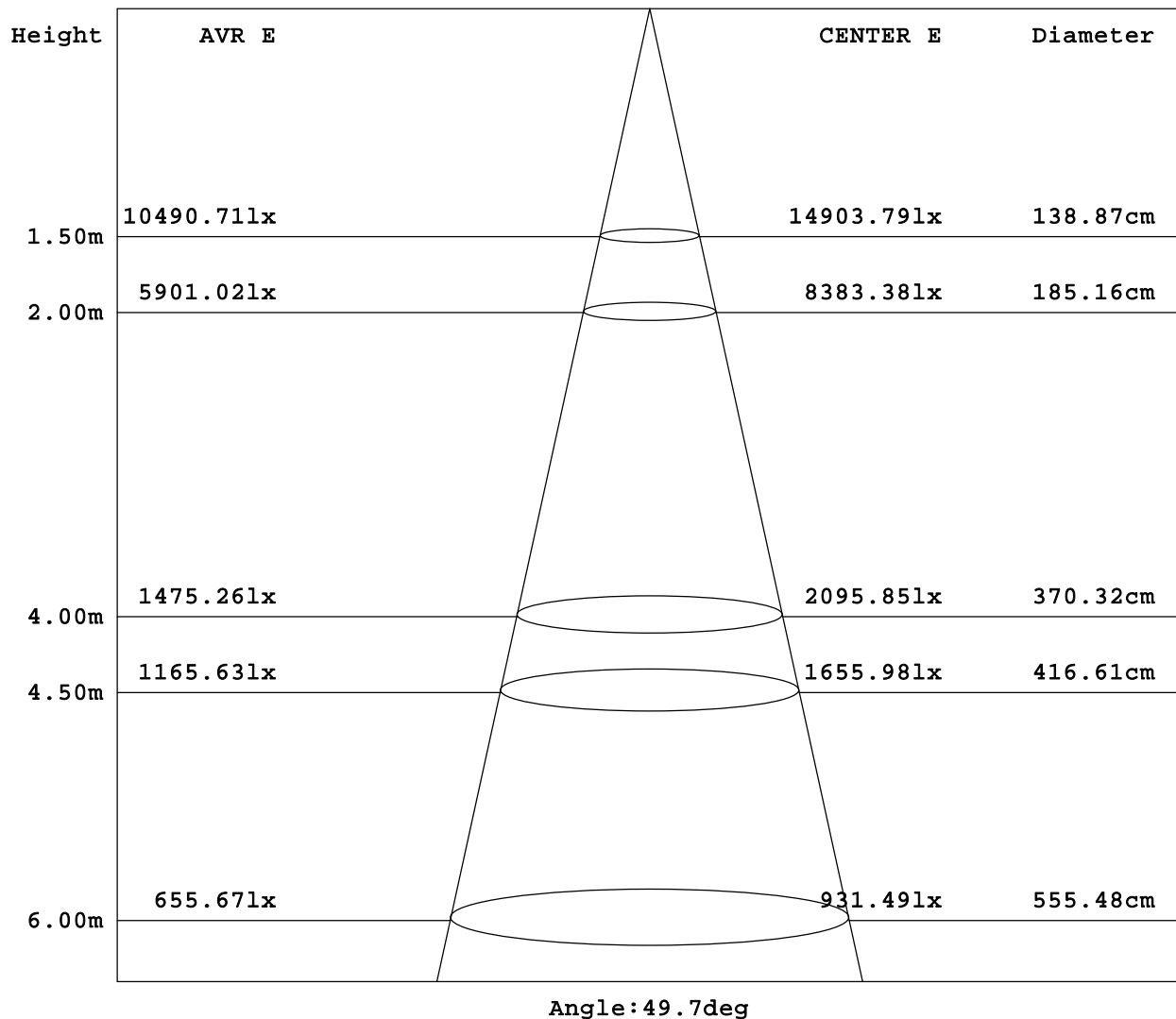
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
 Humidity: 65.0%  
 Test Distance: 10.500 m  
 Remarks:

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LI TIAN	Address:		
NAME: LT-T-115A	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
		0.16	0.65	1.27	2.07	3.37	4.93	6.44	6.92	6.01	6.74	6.50	5.82	4.56	3.09	1.98	1.20	0.55	0.13	62.4	0.00	
VERTICAL (DEG)	90																					
	80	0.16	0.65	1.27	2.07	3.37	4.93	6.44	6.92	6.01	6.74	6.50	5.82	4.56	3.09	1.98	1.20	0.55	0.13	62.4	0.00	
	70	0.24	1.24	2.91	5.38	8.96	13.8	20.9	27.0	29.2	26.9	21.2	15.8	11.6	8.29	5.29	2.96	1.20	0.21	204	0.00	
	60	0.31	1.80	4.58	8.60	13.8	21.3	30.9	37.4	38.5	35.1	30.0	23.2	17.1	12.7	8.59	4.73	1.80	0.29	291	0.00	
	50	0.38	2.34	6.36	11.7	18.1	27.1	36.9	43.2	44.8	41.0	35.3	29.0	22.7	17.3	12.1	6.54	2.36	0.36	358	0.00	
	40	0.44	2.86	8.07	15.1	24.7	37.1	48.2	53.4	54.9	55.6	55.3	52.5	43.0	30.7	17.3	8.36	2.87	0.42	511	0.00	
	30	0.49	3.30	9.89	22.7	49.6	91.9	135	172	201	216	212	184	132	74.9	30.4	11.0	3.32	0.48	1552	1301	
		0.52	3.62	12.2	42.1	121	242	366	465	519	531	500	416	291	158	56.8	14.8	3.68	0.52	3743	3649	
		0.54	3.81	15.1	71.8	222	434	627	759	820	813	746	620	440	243	87.5	18.9	3.94	0.54	5926	5857	
		0.54	3.86	17.5	95.2	294	558	789	943	1005	972	870	718	514	290	107	21.6	4.12	0.56	7204	7142	
		0.54	3.83	18.0	96.2	293	547	764	906	961	927	832	689	495	282	105	21.3	4.18	0.56	6945	6882	
		0.52	3.72	16.0	74.1	222	422	597	706	748	734	672	561	400	225	81.9	18.2	4.10	0.55	5487	5417	
	-30	0.50	3.51	12.9	45.4	128	252	370	458	499	502	466	381	265	143	51.1	14.3	3.87	0.53	3596	3503	
	-40	0.46	3.18	10.1	25.4	56.5	105	155	197	225	236	224	183	126	66.9	27.3	11.0	3.50	0.49	1658	1448	
	-50	0.41	2.74	8.06	16.3	27.1	40.6	52.6	59.7	61.0	61.7	62.2	55.7	43.0	28.2	16.5	8.70	3.02	0.45	549	15.3	
	-60	0.35	2.22	6.27	11.9	17.9	25.7	35.0	42.2	45.0	41.8	36.2	30.0	23.3	17.4	12.2	6.79	2.48	0.39	358	0.00	
	-70	0.28	1.69	4.35	8.17	12.6	18.3	26.1	33.4	36.0	33.1	28.5	22.6	17.0	12.6	8.56	4.76	1.90	0.31	271	0.00	
	-80	0.21	1.13	2.62	4.45	7.13	10.3	14.8	20.0	22.8	21.3	17.4	13.2	10.1	7.31	4.75	2.94	1.29	0.24	163	0.00	
	-90	0.13	0.56	1.07	1.56	2.26	2.87	3.60	4.55	5.79	6.36	4.65	3.75	3.14	2.44	1.86	1.32	0.66	0.15	46.7	0.00	
			-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )					20	30	40	50	60	70	80
Φ t	7.02	46.1	158	559	1522	2854	4079	4934	5322	5262	4820	4005	2860	1623	637	180	48.9	7.17	38925			
Φ a	0.00	0.00	0.00	320	1293	2597	3773	4584	4967	4926	4533	3755	2641	1416	408	0.00	0.00	0.00		35213		

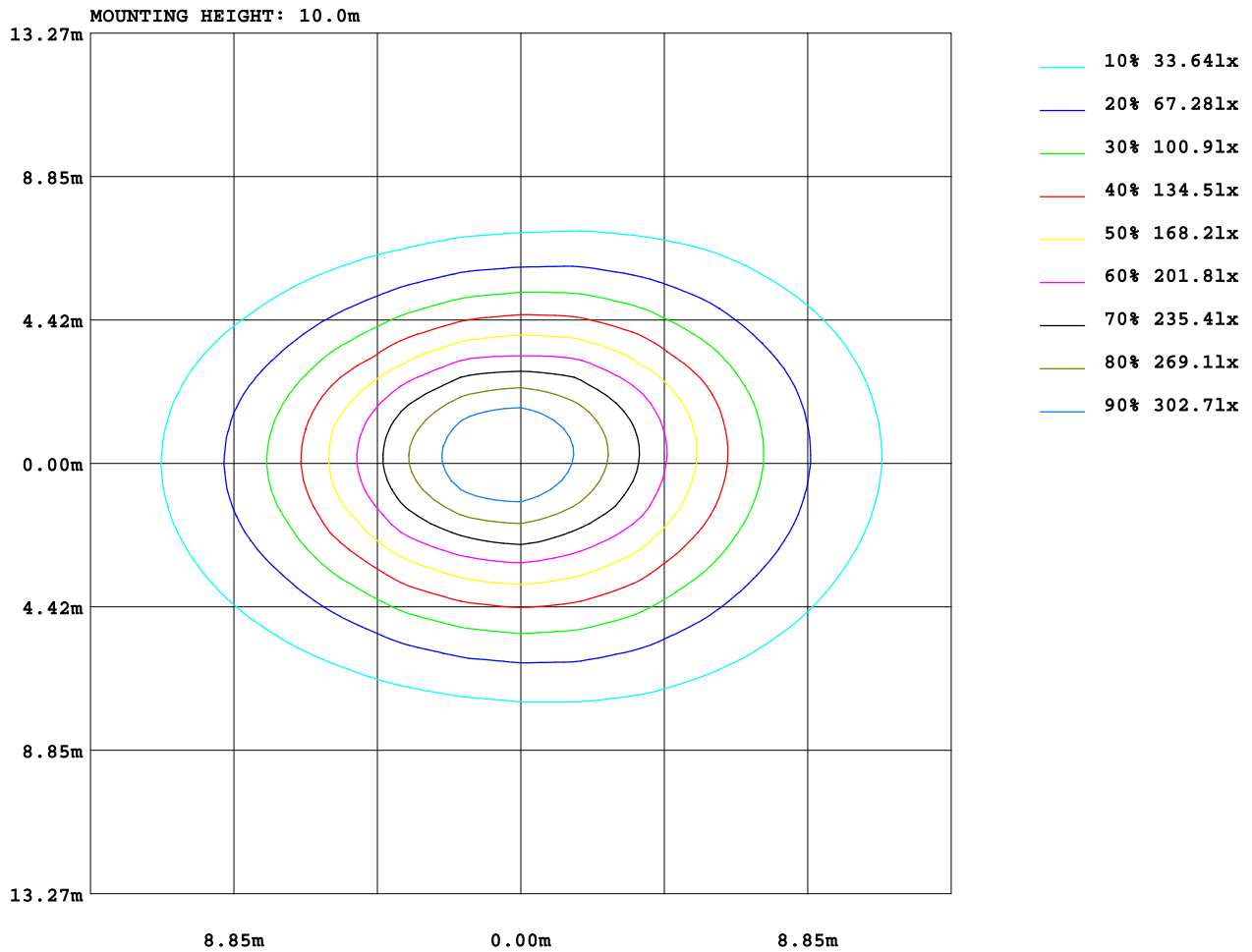
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



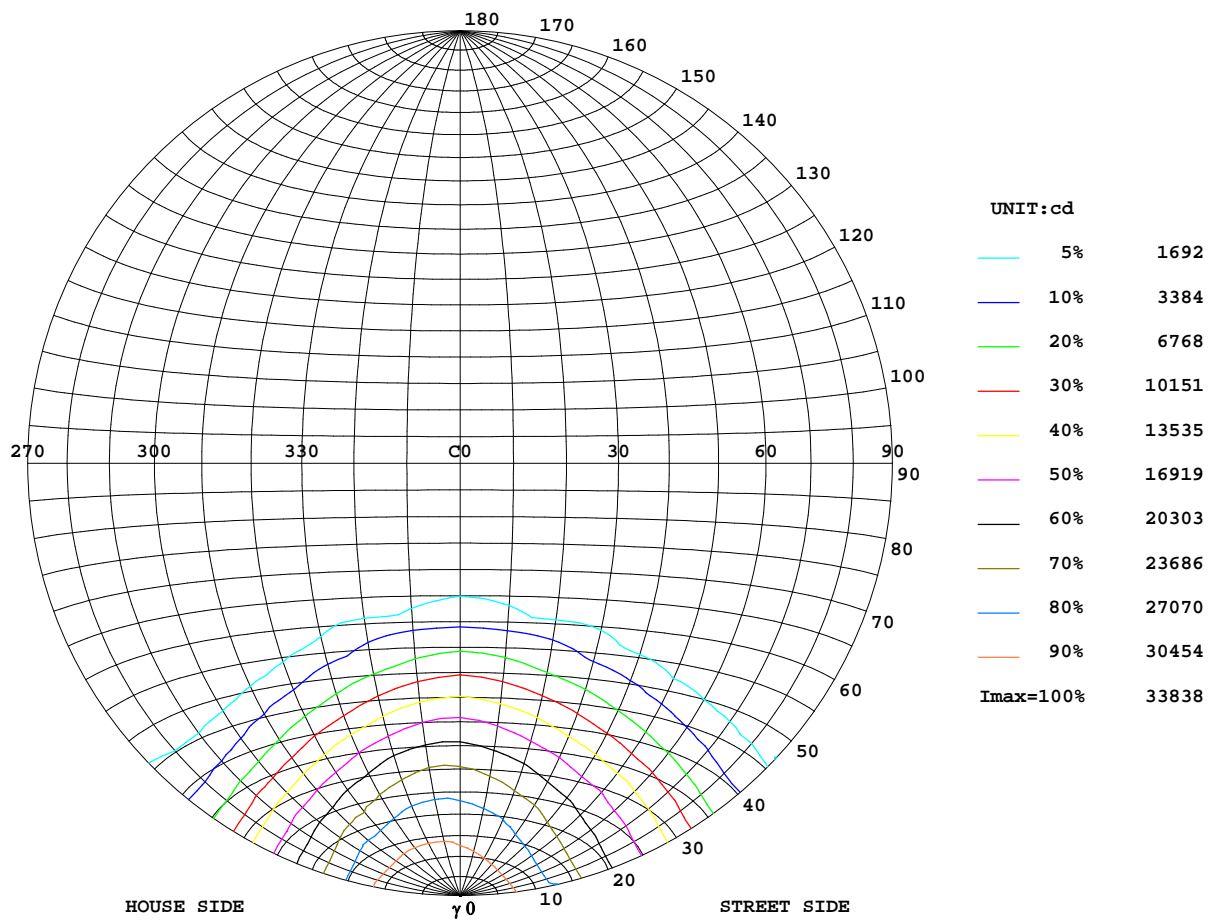
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



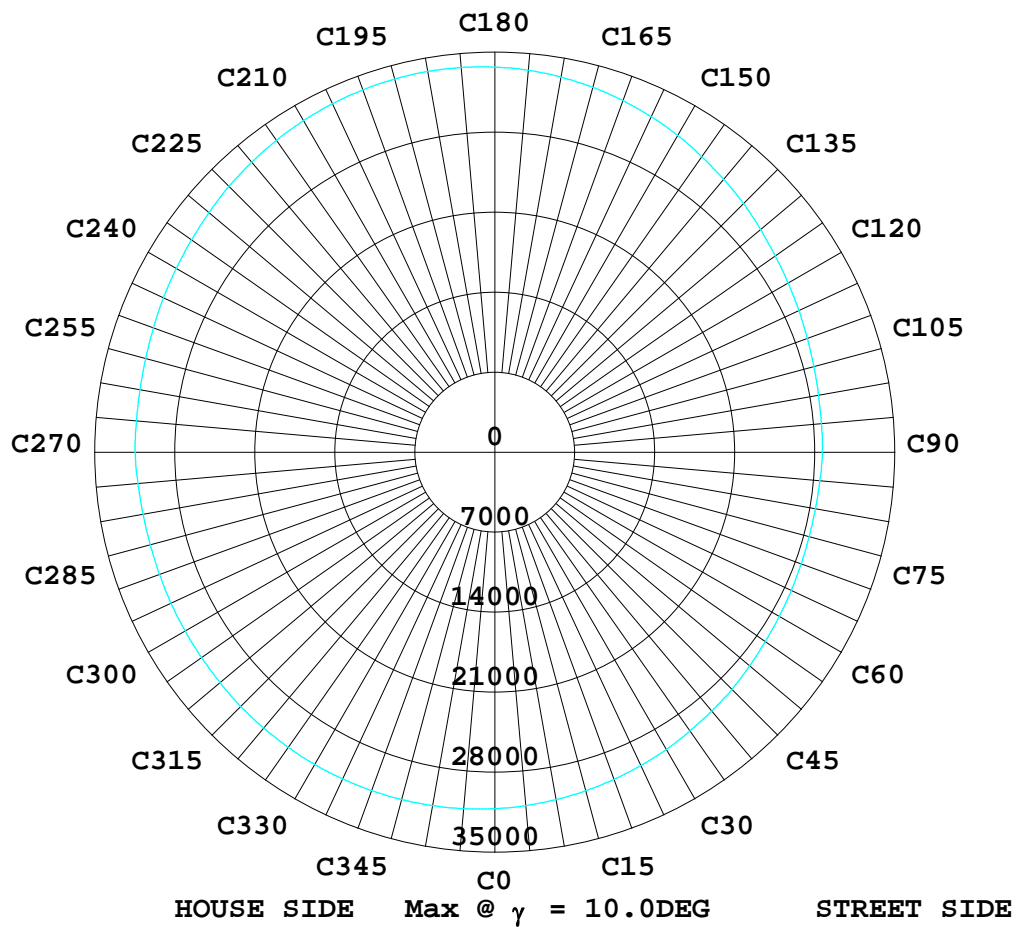
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: LI TIAN</b>	<b>Address:</b>	
<b>NAME: LT-T-115A</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	3.53	3.24	3.40	3.38	3.08	2.39	1.62	1.28	0.99	0.78	0.63	0.49	0.41	0.39	0.37
-85.0	3.53	4.36	5.75	7.03	7.93	8.39	8.56	8.80	9.49	10.5	11.4	10.7	10.0	9.59	11.3
-80.0	3.53	5.48	8.06	10.6	12.7	14.3	15.5	16.3	17.9	20.2	23.0	25.1	28.5	33.4	36.4
-75.0	3.53	6.58	10.3	14.2	17.5	20.3	22.5	24.4	28.6	33.1	36.7	41.3	46.8	52.8	61.8
-70.0	3.53	7.65	12.5	17.6	22.2	26.2	30.7	35.5	41.0	46.3	51.1	57.3	64.9	75.2	85.8
-65.0	3.53	8.70	14.6	20.9	26.7	33.2	40.3	46.6	53.2	58.8	65.0	73.2	83.5	95.0	106
-60.0	3.53	9.70	16.6	24.0	31.5	40.9	49.8	57.4	64.0	70.1	77.6	87.7	99.6	113	124
-55.0	3.53	10.6	18.5	26.9	37.1	48.2	59.1	68.2	75.4	81.7	91.5	101	114	127	137
-50.0	3.53	11.5	20.2	29.6	42.3	55.0	67.9	80.0	88.2	99.4	109	121	134	145	153
-45.0	3.53	12.3	21.8	32.8	47.0	61.0	78.6	93.1	106	124	134	156	168	181	187
-40.0	3.53	13.1	23.2	35.9	51.1	66.4	91.1	108	142	164	203	236	265	287	310
-35.0	3.53	13.8	24.4	38.5	54.7	75.1	105	128	199	235	336	399	474	538	602
-30.0	3.53	14.4	25.5	40.8	57.9	86.3	122	177	285	375	545	673	801	917	1026
-25.0	3.53	14.9	26.5	42.7	60.3	98.5	140	249	398	575	806	1005	1187	1343	1482
-20.0	3.53	15.4	27.4	44.1	62.2	111	161	333	531	799	1098	1355	1590	1765	1921
-15.0	3.53	15.7	28.0	45.4	63.4	122	181	419	669	1028	1397	1700	1986	2173	2344
-10.0	3.53	16.0	28.5	46.3	64.6	132	199	493	793	1228	1658	1982	2321	2508	2724
-5.0	3.53	16.1	28.8	46.8	65.2	136	210	543	883	1366	1843	2206	2566	2793	3014
0.0	3.53	16.2	28.8	46.9	64.9	138	211	563	915	1419	1923	2304	2685	2923	3161
5.0	3.53	16.2	29.0	47.2	65.6	133	202	537	879	1372	1861	2252	2649	2885	3123
10.0	3.53	16.2	29.0	47.1	65.5	126	185	482	788	1239	1684	2067	2438	2676	2897
15.0	3.53	16.0	28.8	46.5	64.6	116	165	406	660	1031	1407	1748	2076	2286	2476
20.0	3.53	15.8	28.4	45.5	63.4	105	145	316	514	784	1079	1354	1624	1820	1997
25.0	3.53	15.5	27.8	44.1	61.6	93.9	126	230	372	541	762	958	1158	1326	1479
30.0	3.53	15.1	27.0	42.3	59.2	83.7	110	158	261	334	488	606	734	847	953
35.0	3.53	14.5	25.9	40.1	56.2	74.8	96.3	112	181	201	290	342	412	459	508
40.0	3.53	13.9	24.7	37.5	52.6	67.4	84.9	96.9	125	144	174	203	231	241	248
45.0	3.53	13.2	23.3	34.4	48.4	61.8	75.3	85.8	96.9	112	123	144	157	167	172
50.0	3.53	12.5	21.8	31.3	43.7	55.7	66.6	76.0	84.1	95.3	107	121	135	145	152
55.0	3.53	11.6	20.0	28.5	38.5	49.1	58.6	66.5	74.3	82.7	94.7	108	123	135	142
60.0	3.53	10.7	18.2	25.5	33.0	42.2	50.3	57.8	65.5	73.6	83.8	97.5	112	125	134
65.0	3.53	9.77	16.2	22.3	28.3	35.1	42.1	48.9	56.5	64.0	73.2	85.2	99.7	114	124
70.0	3.53	8.75	14.1	19.0	23.7	28.5	33.8	39.8	46.4	53.0	60.8	71.1	83.6	96.9	107
75.0	3.53	7.69	11.8	15.5	18.9	22.4	25.9	30.4	35.9	41.5	47.4	55.3	65.3	77.3	86.7
80.0	3.53	6.59	9.62	11.9	14.0	16.2	18.3	21.1	25.1	29.6	33.7	38.5	44.3	52.2	60.4
85.0	3.53	5.47	7.29	8.27	9.00	9.93	10.6	11.7	13.5	15.7	17.9	20.0	20.5	20.2	22.3
90.0	3.53	4.33	4.93	4.58	3.98	3.56	2.94	2.10	1.65	1.41	1.15	0.79	0.54	0.41	0.42

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: LI TIAN</b>	<b>Address:</b>	
<b>NAME: LT-T-115A</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: ×10cd

H(°) \ V(°)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	0.36	0.36	0.35	0.54	0.32	0.33	0.36	0.36	0.35	0.45	0.82	1.44	2.01	2.69	3.25
-85.0	12.9	11.6	10.0	25.9	17.8	15.7	14.4	12.8	11.6	11.6	12.4	12.1	11.2	10.7	10.6
-80.0	41.8	47.2	51.6	54.2	50.7	43.9	37.2	32.8	31.3	27.9	26.0	23.6	20.5	18.9	18.1
-75.0	69.2	75.7	77.0	77.1	71.9	66.9	59.7	52.9	47.3	43.8	40.6	37.5	33.8	29.8	26.2
-70.0	94.0	97.9	97.7	93.3	88.1	84.8	79.7	73.2	65.8	59.2	54.6	51.2	47.6	42.7	37.6
-65.0	115	120	121	118	110	104	98.4	90.9	82.7	74.8	68.3	63.1	59.1	55.1	48.8
-60.0	132	136	138	135	126	119	112	105	96.0	87.5	80.0	74.0	69.2	65.0	59.9
-55.0	144	148	149	146	138	130	123	116	108	99.5	91.5	86.2	79.6	75.2	70.2
-50.0	158	161	161	158	149	143	137	133	127	120	112	104	97.5	87.0	81.0
-45.0	188	181	177	170	175	179	189	189	186	169	162	134	128	105	93.3
-40.0	324	332	338	351	362	374	383	375	354	320	288	231	187	153	108
-35.0	651	701	730	762	771	778	756	715	659	578	491	400	286	230	131
-30.0	1107	1167	1197	1232	1231	1231	1191	1123	1025	905	773	626	451	335	193
-25.0	1564	1629	1652	1677	1664	1650	1592	1517	1388	1239	1065	872	652	464	278
-20.0	1993	2049	2062	2079	2047	2018	1953	1875	1725	1559	1348	1118	854	604	371
-15.0	2400	2445	2458	2475	2415	2360	2287	2207	2038	1857	1610	1350	1044	738	462
-10.0	2799	2866	2865	2867	2785	2706	2607	2505	2312	2110	1830	1542	1201	853	537
-5.0	3110	3203	3199	3195	3084	2974	2844	2714	2509	2299	1991	1681	1311	936	592
0.0	3265	3370	3362	3353	3236	3118	2978	2837	2620	2402	2079	1756	1367	978	620
5.0	3238	3349	3349	3346	3235	3124	2983	2840	2622	2399	2070	1740	1350	957	605
10.0	3015	3132	3140	3148	3062	2976	2846	2713	2508	2290	1973	1646	1271	892	561
15.0	2604	2727	2736	2732	2718	2688	2567	2439	2263	2068	1777	1473	1132	789	494
20.0	2100	2192	2209	2240	2232	2235	2163	2077	1923	1745	1495	1232	941	659	406
25.0	1585	1682	1717	1751	1760	1767	1711	1641	1519	1364	1167	958	722	515	310
30.0	1044	1128	1170	1207	1230	1244	1211	1158	1082	966	828	682	503	376	218
35.0	548	605	634	664	688	712	700	685	656	594	510	440	324	259	147
40.0	251	269	270	272	310	320	328	346	335	310	287	251	211	174	118
45.0	177	175	174	174	170	168	171	172	174	166	160	144	140	112	98.0
50.0	156	158	156	152	144	137	131	126	122	117	111	106	99.9	88.5	82.2
55.0	147	150	148	144	135	127	119	112	104	96.1	88.4	84.6	78.3	74.8	69.5
60.0	139	142	141	137	127	120	112	104	94.7	85.2	78.0	72.3	67.8	64.0	58.8
65.0	129	130	128	124	116	110	103	94.3	84.2	75.5	68.8	63.3	59.0	54.7	49.1
70.0	113	114	112	108	102	96.6	89.6	80.4	71.4	64.0	58.3	53.8	49.7	44.4	39.5
75.0	94.6	99.0	102	101	92.6	82.9	73.0	64.2	57.1	51.5	46.7	42.6	38.4	34.0	30.0
80.0	64.5	61.9	62.1	68.6	63.4	57.6	50.8	45.6	41.8	37.6	33.9	30.8	27.2	23.4	20.7
85.0	18.7	14.6	13.3	8.23	15.4	16.5	20.0	21.2	20.9	20.9	18.7	16.5	14.3	12.4	11.2
90.0	0.43	0.39	0.41	1.12	0.32	0.32	0.32	0.31	0.30	0.33	0.54	0.82	1.10	1.40	1.80

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:



## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: LI TIAN</b>	<b>Address:</b>	
<b>NAME: LT-T-115A</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: ×10cd

H(°)	60	65	70	75	80	85	90
V(°)							
-90.0	3.71	4.07	4.17	4.18	4.16	4.05	3.58
-85.0	10.6	10.3	9.46	8.27	6.70	5.23	3.58
-80.0	17.6	16.6	14.7	12.3	9.21	6.39	3.58
-75.0	24.7	22.9	19.9	16.2	11.6	7.54	3.58
-70.0	33.1	29.1	25.0	20.0	14.0	8.64	3.58
-65.0	43.0	36.5	30.1	23.6	16.3	9.71	3.58
-60.0	52.9	44.6	35.3	26.9	18.4	10.7	3.58
-55.0	62.6	52.3	41.3	30.0	20.4	11.6	3.58
-50.0	71.6	59.6	47.0	32.9	22.2	12.5	3.58
-45.0	82.1	66.3	52.0	36.2	23.8	13.4	3.58
-40.0	94.8	72.4	56.5	39.5	25.2	14.1	3.58
-35.0	111	82.2	60.6	42.4	26.4	14.7	3.58
-30.0	130	94.9	64.2	44.9	27.4	15.3	3.58
-25.0	153	109	67.1	47.0	28.3	15.8	3.58
-20.0	179	125	69.3	48.6	29.0	16.2	3.58
-15.0	206	139	70.9	49.9	29.6	16.4	3.58
-10.0	231	152	72.0	50.6	29.8	16.6	3.58
-5.0	252	161	72.2	50.9	29.9	16.7	3.58
0.0	263	167	71.5	50.6	29.8	16.7	3.58
5.0	258	163	70.9	50.2	29.7	16.6	3.58
10.0	243	156	69.5	49.4	29.5	16.5	3.58
15.0	221	143	67.3	48.1	29.0	16.2	3.58
20.0	196	129	65.5	46.5	28.4	15.9	3.58
25.0	169	112	63.1	44.8	27.5	15.4	3.58
30.0	143	95.5	60.3	42.7	26.5	14.9	3.58
35.0	119	80.2	57.0	40.3	25.4	14.3	3.58
40.0	99.0	68.4	53.3	37.5	24.2	13.6	3.58
45.0	82.3	62.8	49.2	34.4	22.7	12.8	3.58
50.0	68.9	56.9	44.7	31.3	21.0	11.9	3.58
55.0	60.2	50.5	39.6	28.5	19.2	11.0	3.58
60.0	51.7	43.6	34.3	25.5	17.2	10.0	3.58
65.0	43.2	36.4	29.4	22.1	15.1	8.99	3.58
70.0	34.7	29.4	24.3	18.6	12.8	7.91	3.58
75.0	26.5	22.8	19.1	14.8	10.5	6.79	3.58
80.0	18.4	16.0	13.7	10.9	8.08	5.64	3.58
85.0	10.3	9.29	8.20	6.92	5.60	4.48	3.58
90.0	2.17	2.48	2.65	2.86	3.10	3.31	3.58

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

Test Set: 5.0deg/s A-Alpha (TYPE A)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks: